Figure Caption List

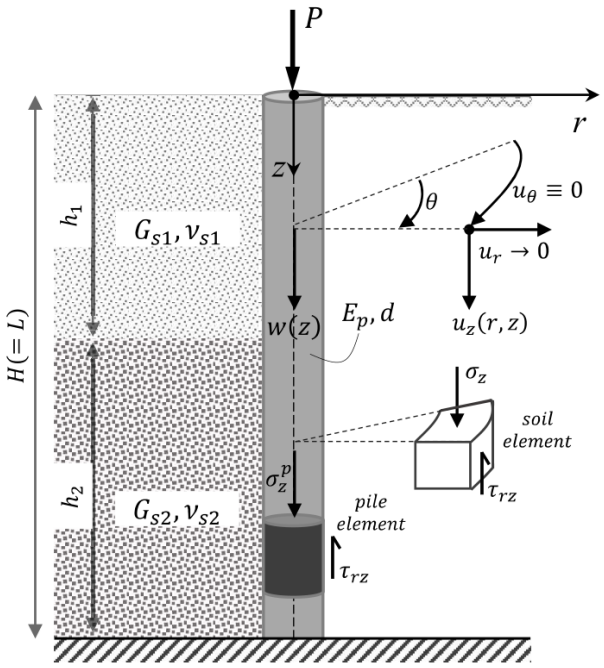

Fig. 1. Problem considered

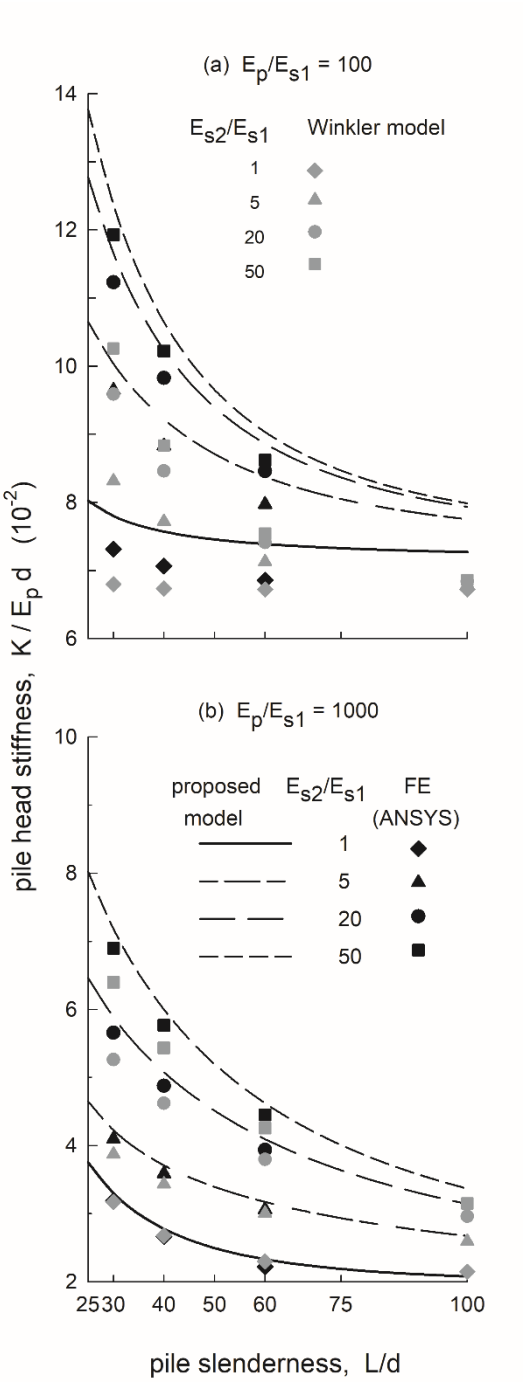

Fig. 2. Variation of pile head stiffness with pile slenderness for selected values of the layer stiffness contrast. Comparison with results from rigorous finite element analysis and the Winkler solution of Mylonakis & Gazetas (1998); $h_1/H = 0.25$.

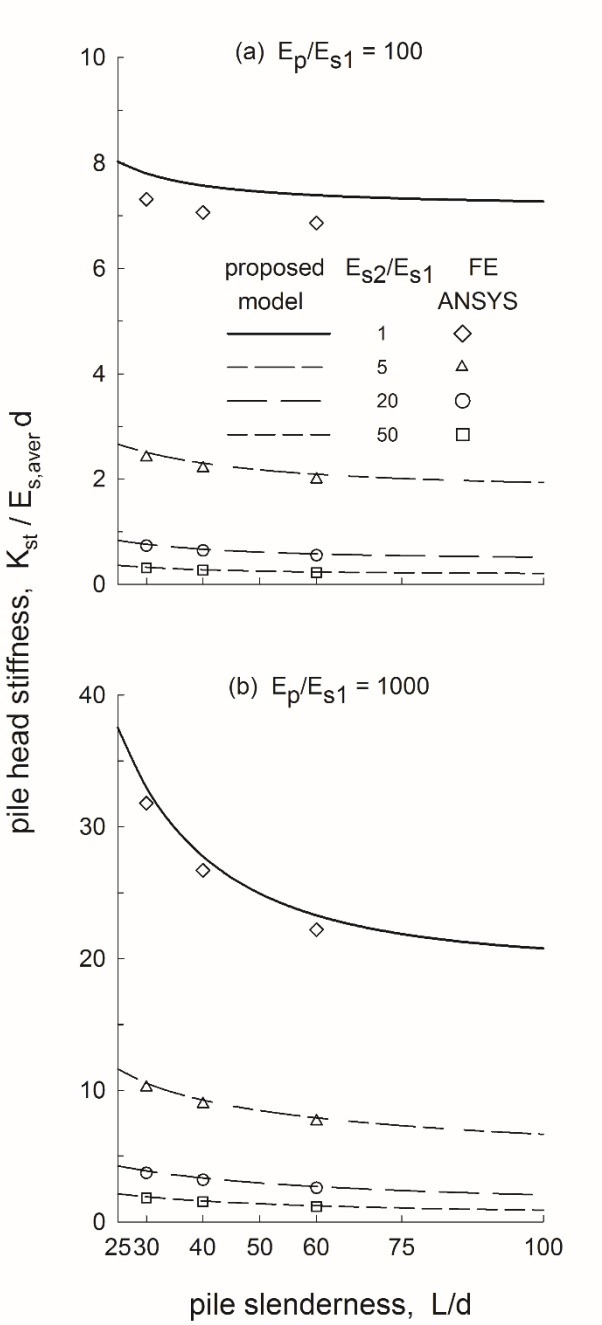

Fig. 3. Alternative representation of the results shown in Fig. 2; pile head stiffness is normalized using the average Young's modulus $E_{s,aver}$ of the soil deposit (Equation 49).

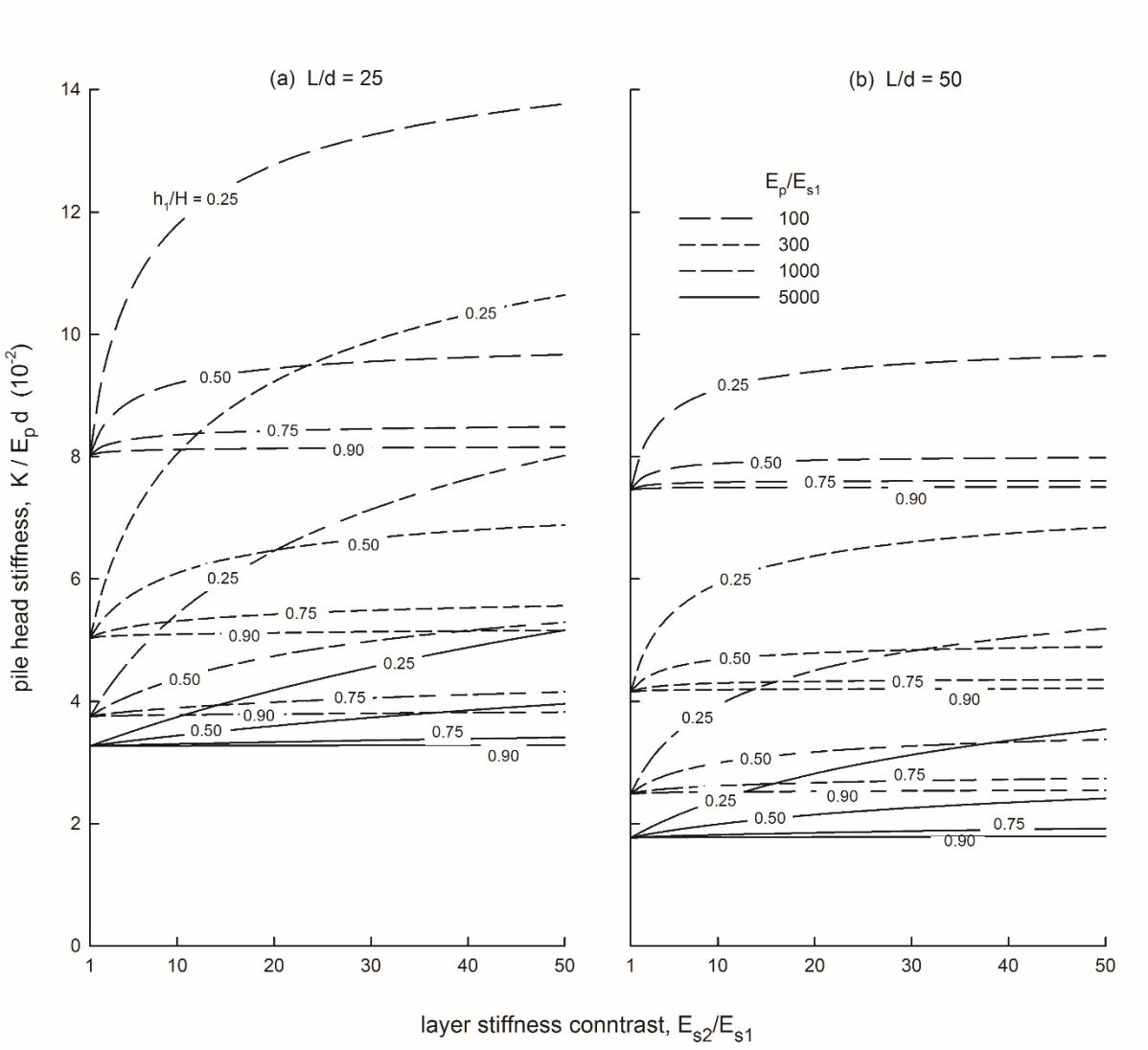

Fig. 4. Pile head stiffnesses for a variety of pile-soil configuration.

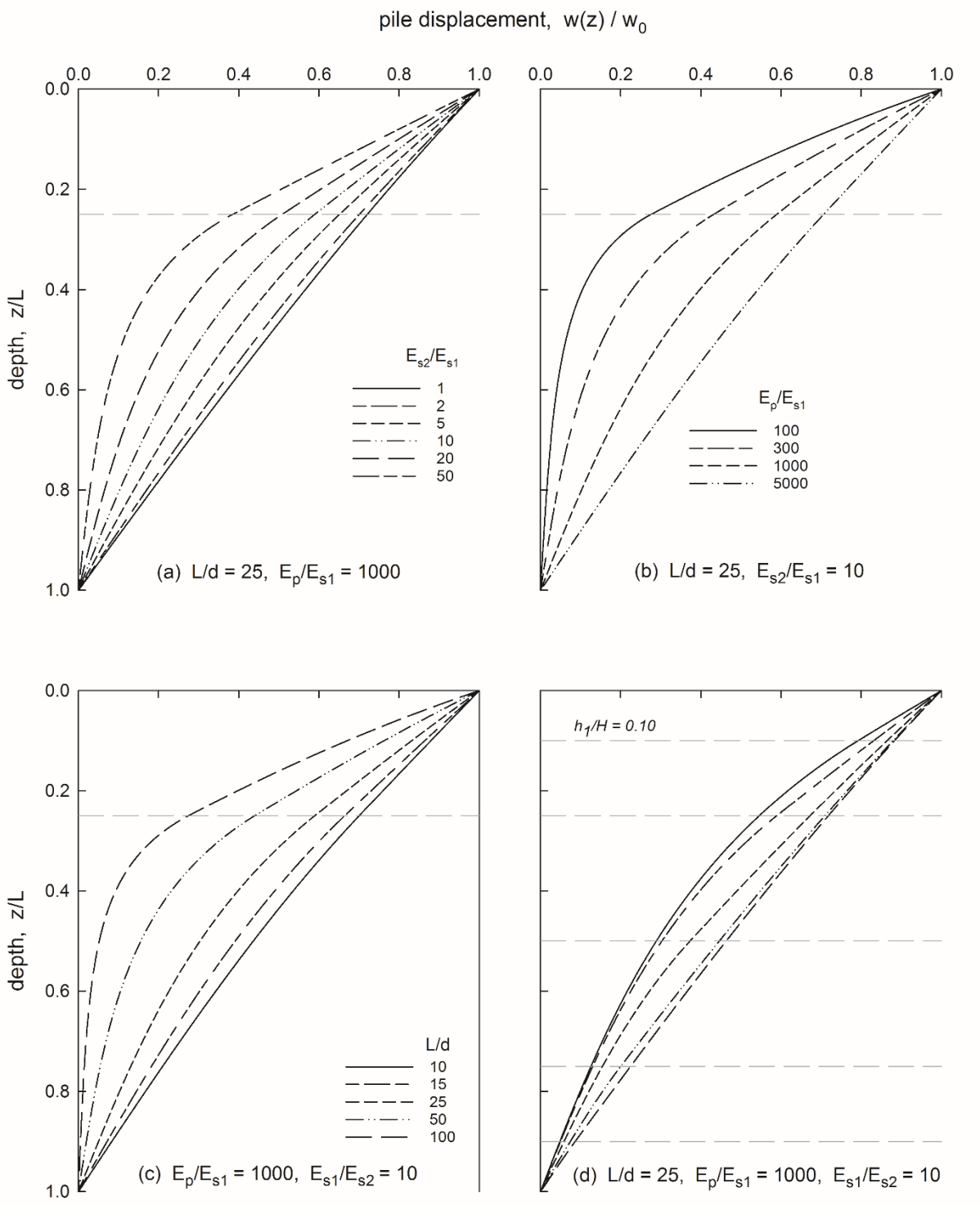

Fig. 5. Variation of pile displacement with depth (settlement) for selected pile-soil configurations.

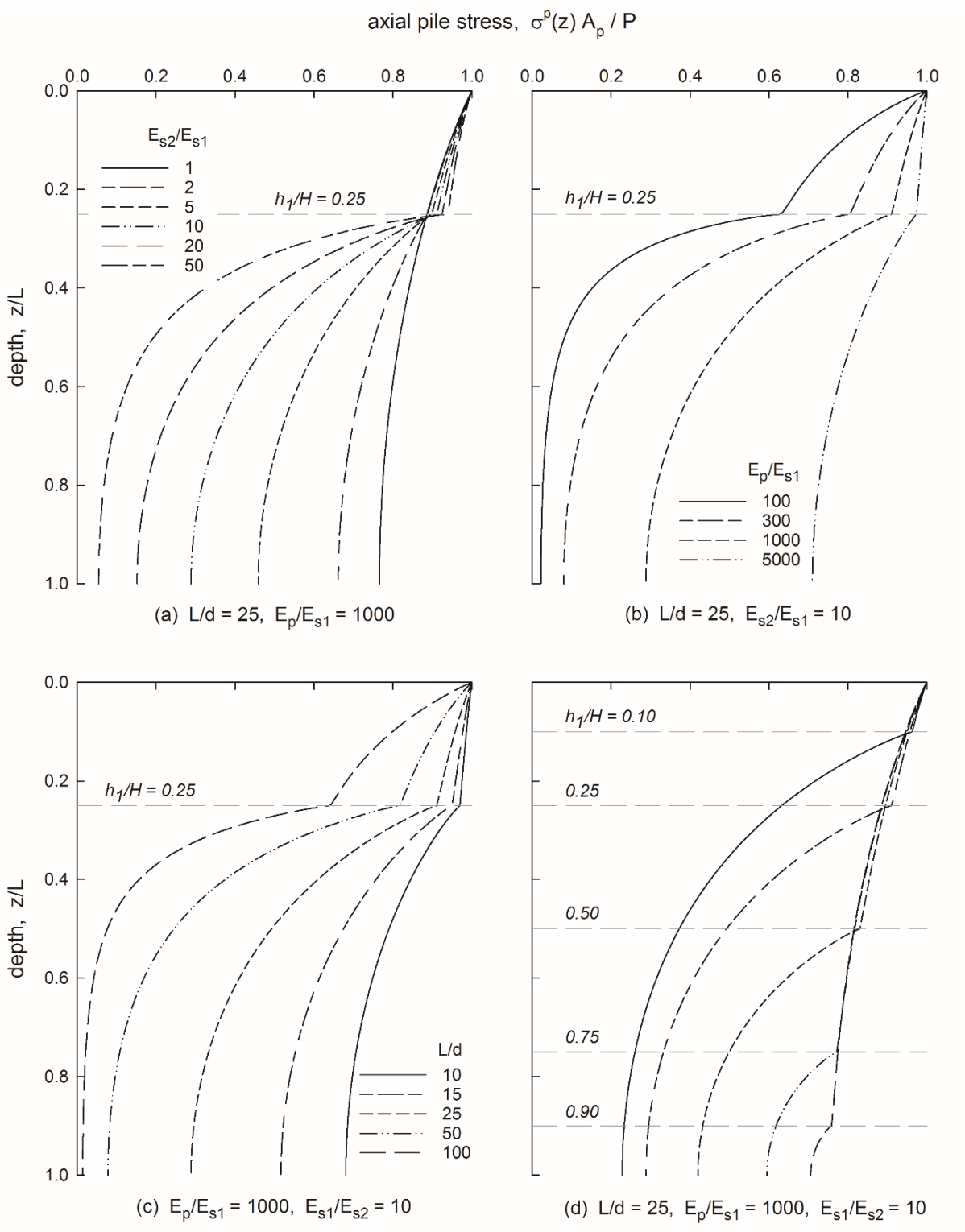

Fig. 6. Variation of axial pile stress (Equation 51) with depth for selected pile-soil configurations.

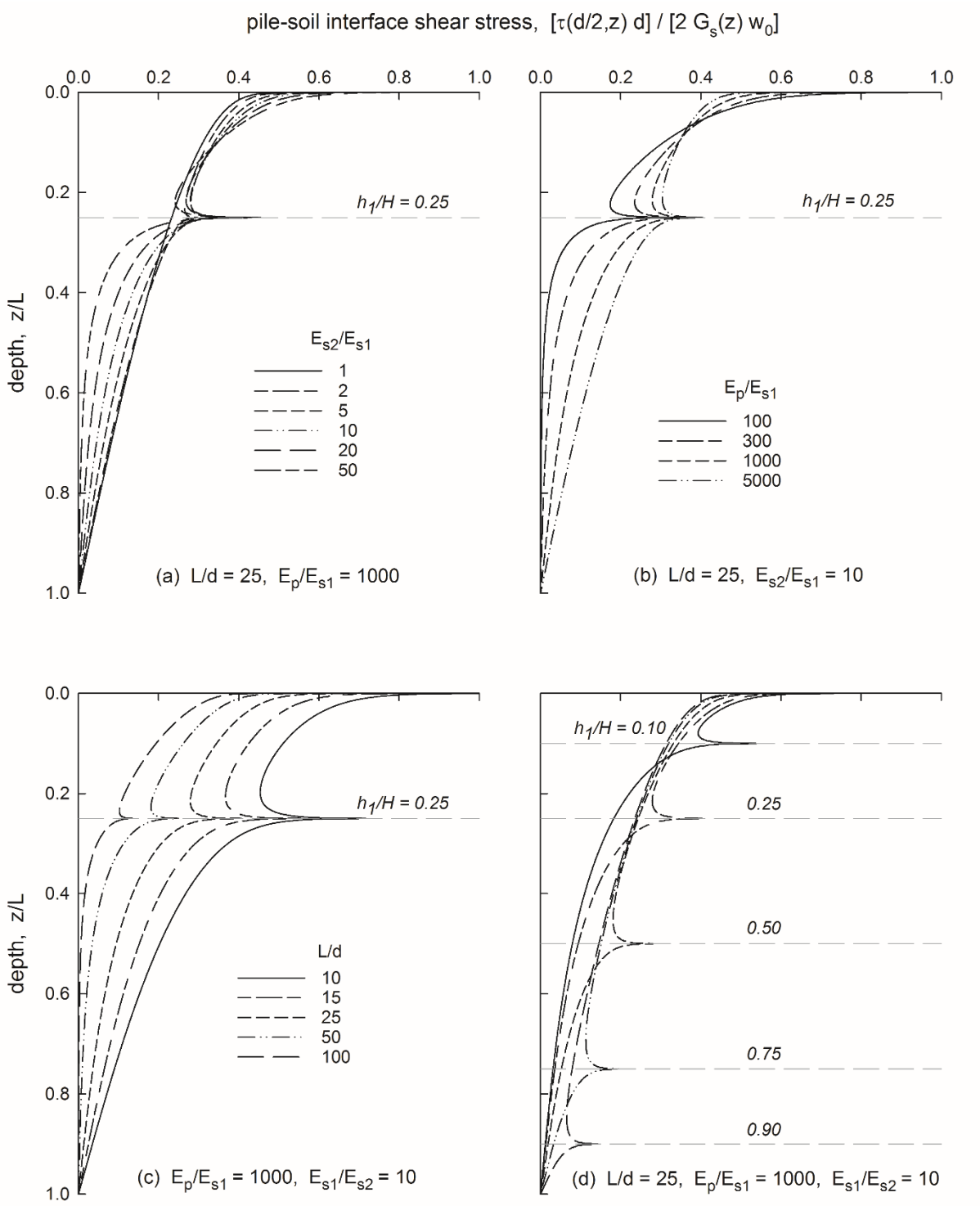

Fig. 7. Variation of vertical shear stress at the pile-soil interface with depth for selected pile-soil configurations.

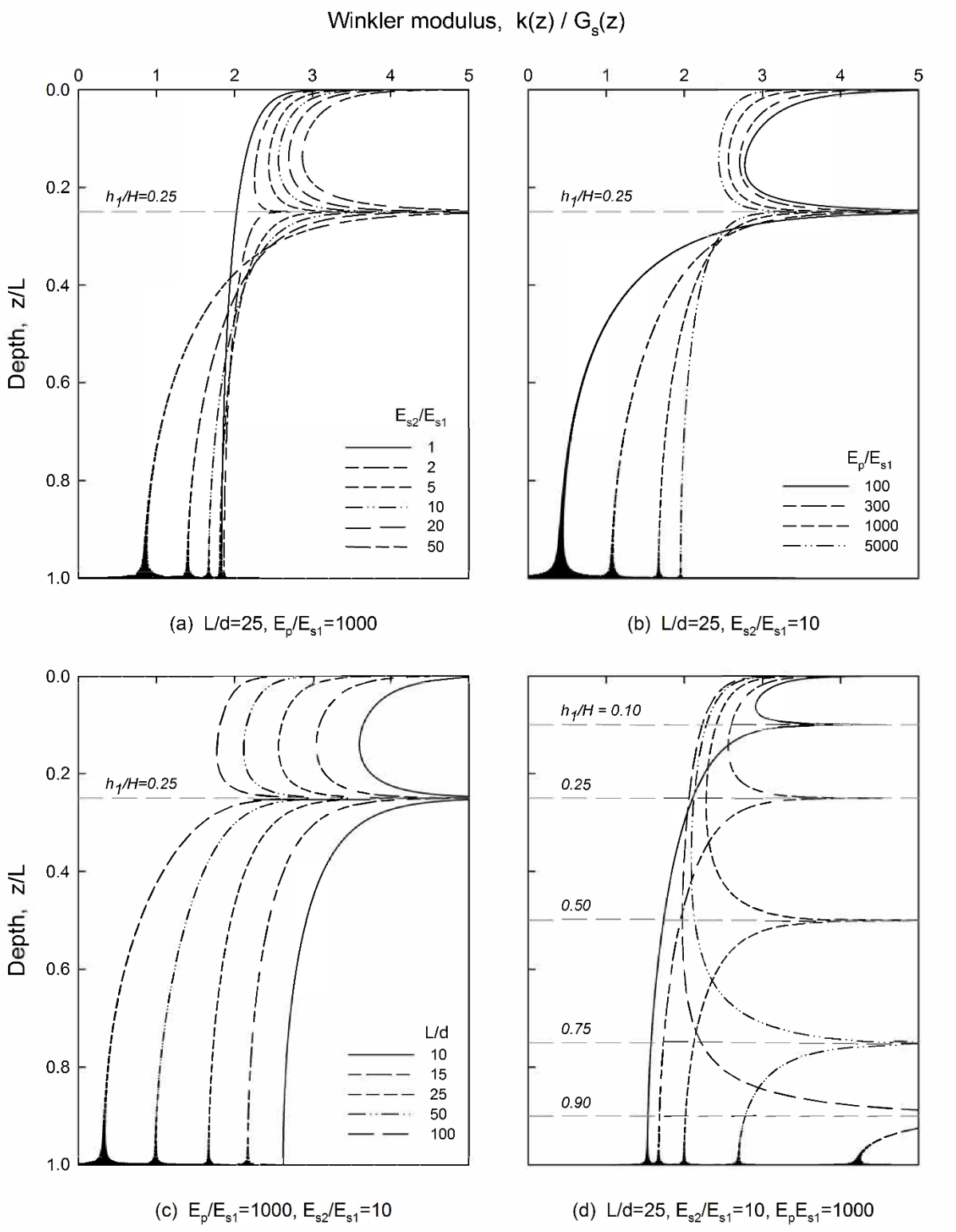

Fig. 8. Variation of the Winkler modulus with depth for selected pile-soil configurations; $N = 1500$.